

T Branch Solar Connectors

Serve as branch joints to realize shunt connection between multiple solar cables in PV systems.



01 Details:

Kuka T Branch connectors use high quality weather resistance materials that guarantee long-term reliability, it could be widely used in different applications. The lower contact resistance and higher current transfer capability ensure high product efficiency. It has an IP68 water-proof rating and can be used in a wide operating temperature range from -40 °C to 85 °C.

02 Electrical Data:

Rated Voltage	DC 1500V
Rated Impulse Voltage	12kV
Max Input Current	70A/n (n=Branch Qty)
Max Output Current	70A
Wet Insulation Resistance	≥500 mΩ
Contact Resistance	≤1mΩ

03 Mechanical Data:

Dimension	113mm*(22mm*n) /n=Branch Qty
Mechanical Life Cycle	≥200
Pollution Degree	Class II
Protection Degree	Class II

04 Material & Environmental Data:

Ambient Temp	-40 °C ~ +85 °C
Water Proof Degree	IP68
Fire Resistance	UL94-V0
Housing Material	PC(f1,V0)/PA(f1,V0)
Terminal Material	Cooper Alloy with Tin plated
Sealing Material	Silicone Rubber

05 Part No. Table:

Part No.	Description	Voltage	Input Current	Output Current
A4 2T1	2 female to 1 male	1500V	≤35A*2	≤70A
	2 male to 1 female			
A4 3T1	3 female to 1 male		≤23A*2	
	3 male to 1 female			
A4 4T1	4 female to 1 male		≤17A*2	
	4 male to 1 female			
A4 5T1	5 female to 1 male		≤14A*2	
	5 male to 1 female			